

Jun 9th, 3:10 PM - 3:30 PM

Great Lakes Fishery Commission Policy on Sea Lamprey Barriers and Dam Removals

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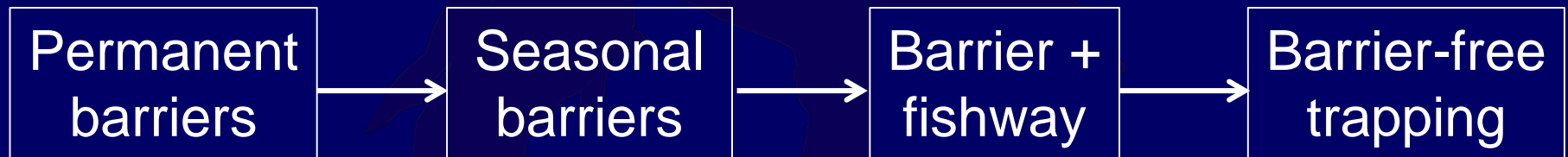
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The Use of Barriers for Sea Lamprey Control



Michael Siefkes
Great Lakes Fishery Commission

Strategy for Barrier and Passage Innovation for Sea Lamprey Control



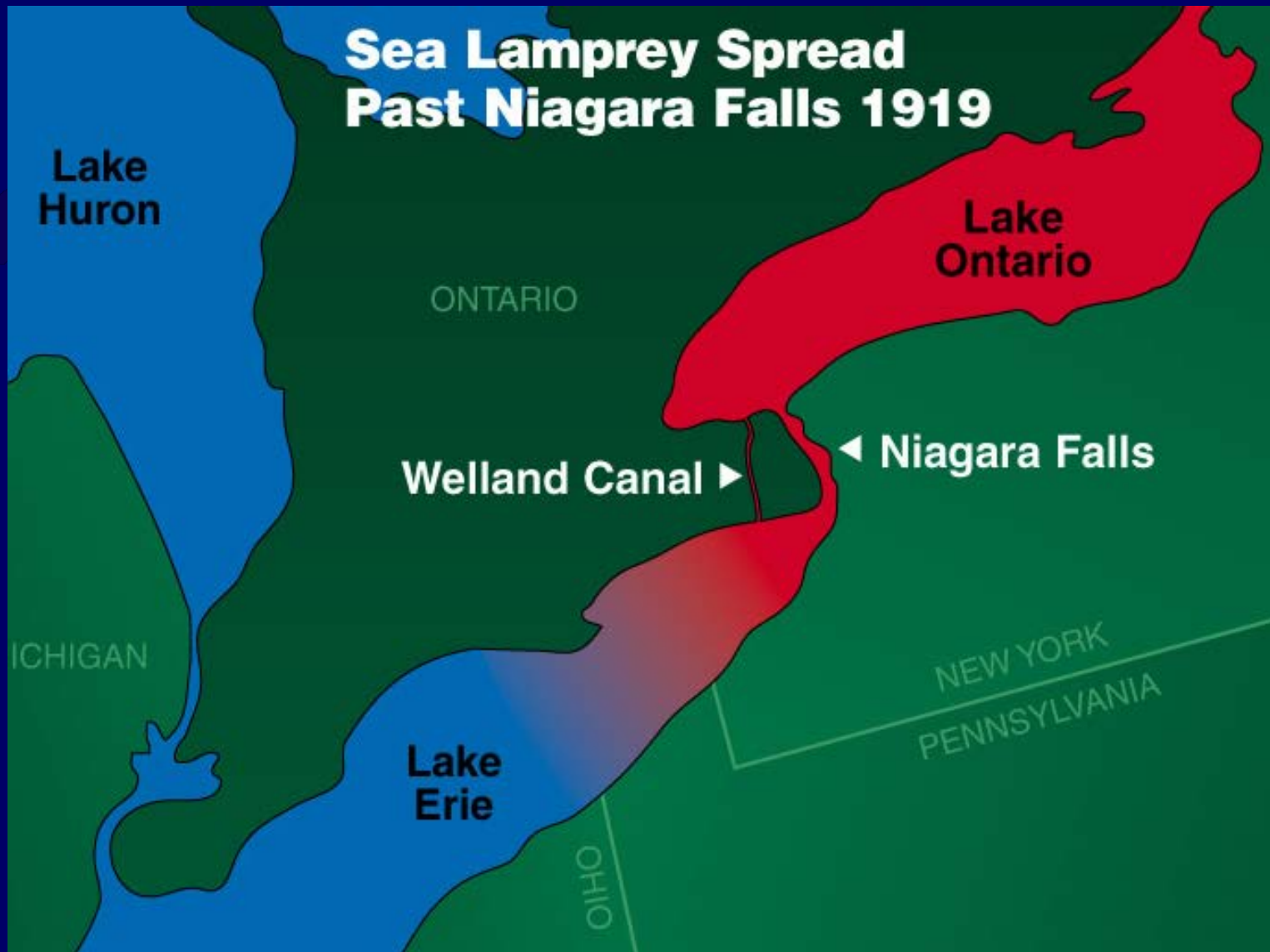


The Use of Barriers for Sea Lamprey Control

- Sea lamprey in the Great Lakes
- The importance of sea lamprey barriers
- Policy on sea lamprey barriers



Sea Lamprey Spread Past Niagara Falls 1919



Sea Lamprey Spread Dates First Observed

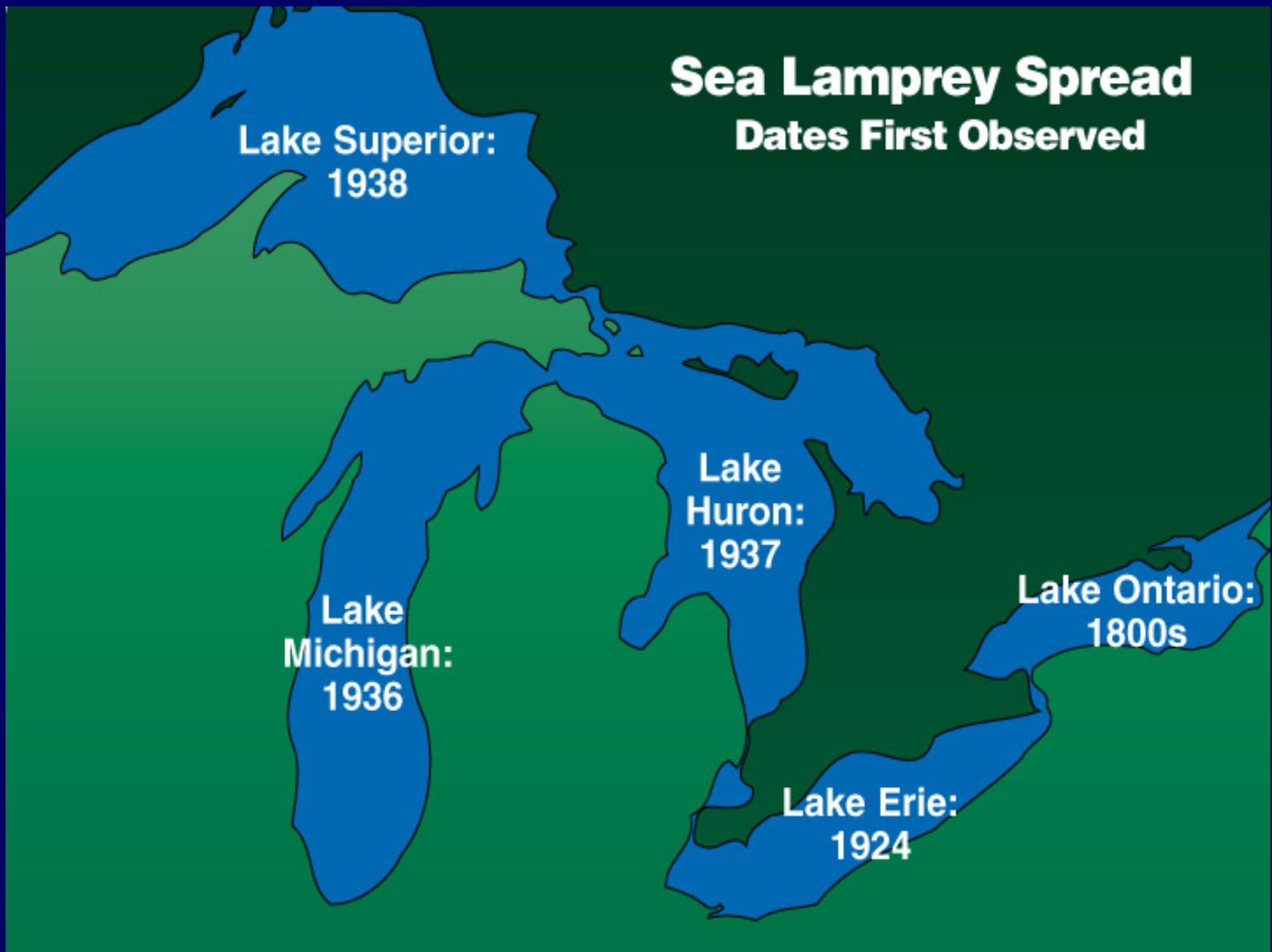
**Lake Superior:
1938**

**Lake
Huron:
1937**

**Lake
Michigan:
1936**

**Lake Ontario:
1800s**

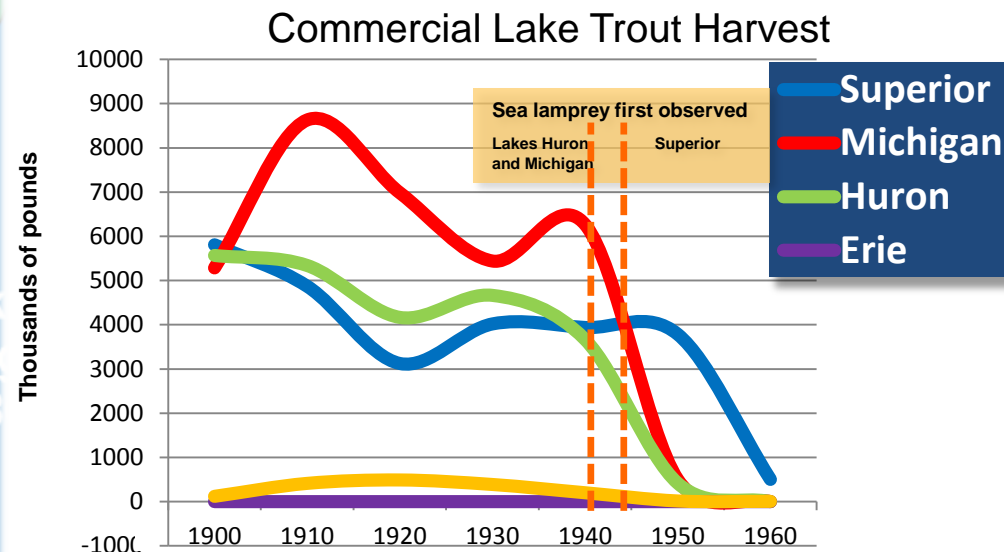
**Lake Erie:
1924**



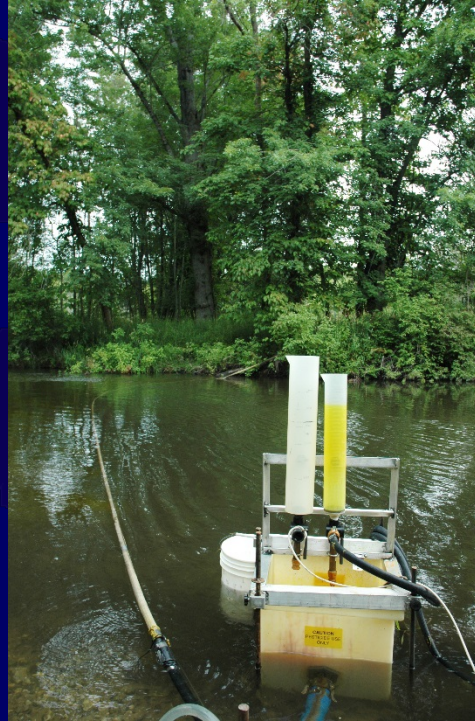


Sea Lamprey Spread

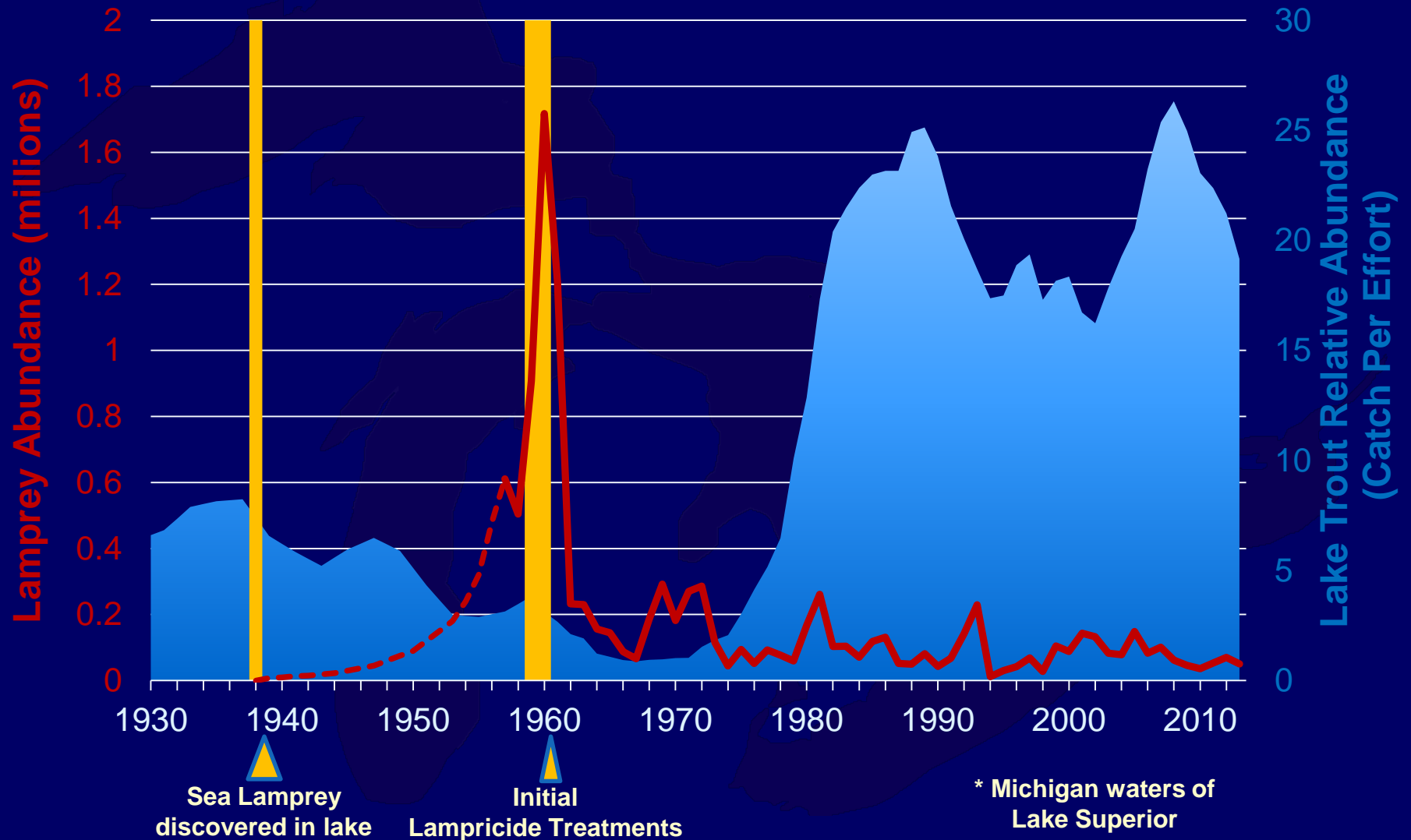
Dates First Observed



Establishment of Sea Lamprey Control



DECLINE AND RECOVERY OF THE FISHERY

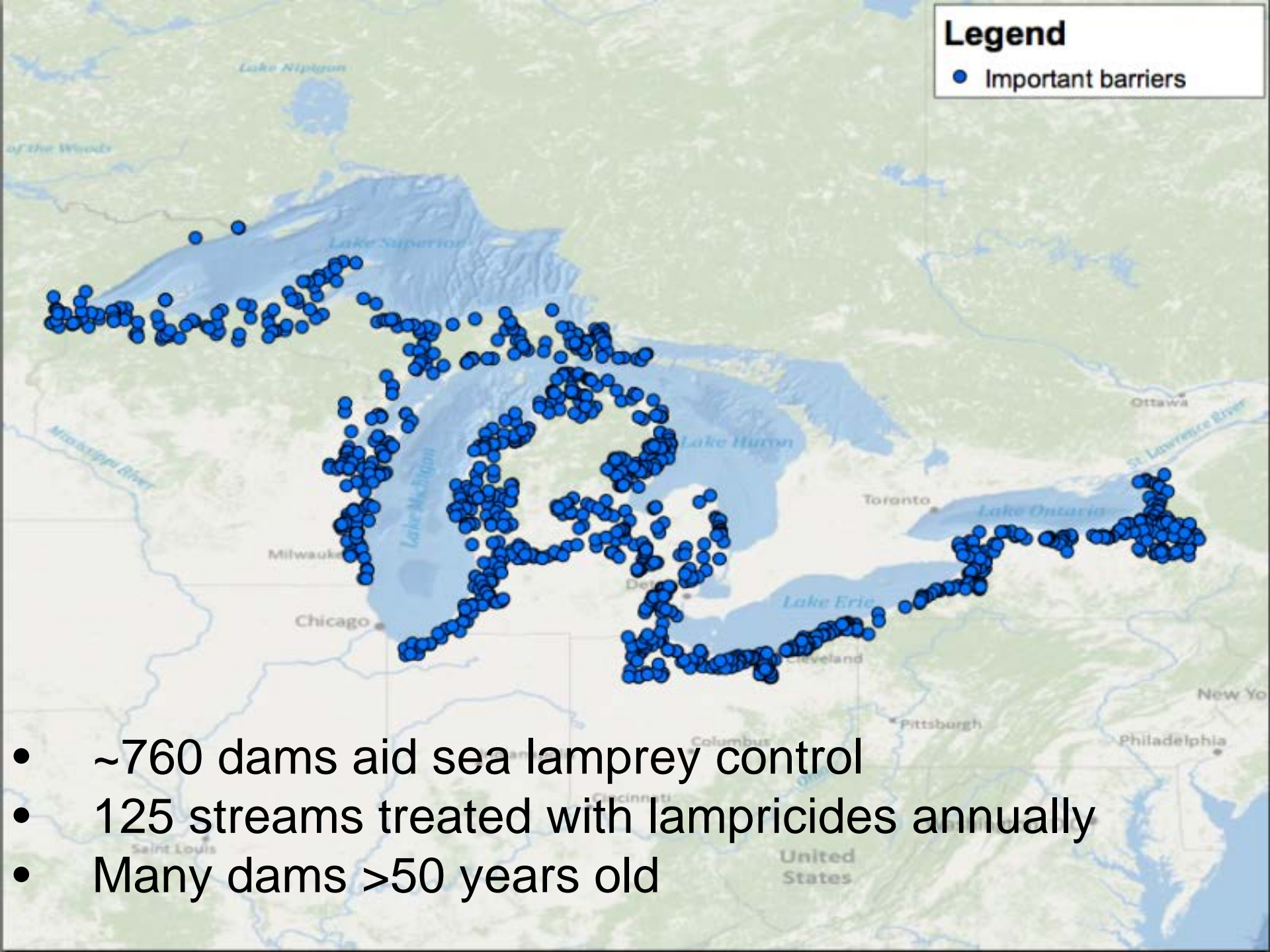


The Importance of Sea Lamprey Barriers



Legend

- Important barriers

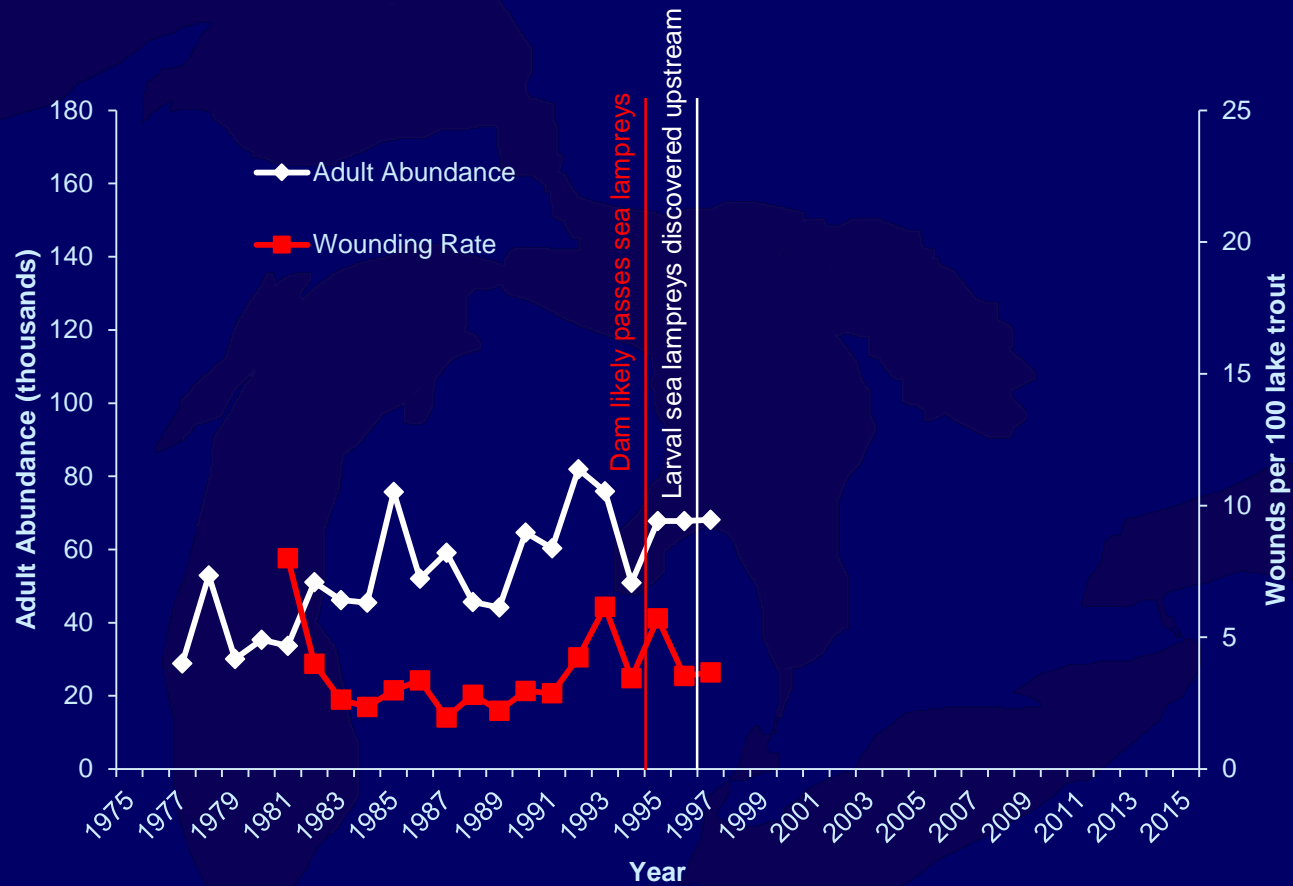


- ~760 dams aid sea lamprey control
- 125 streams treated with lampricides annually
- Many dams >50 years old

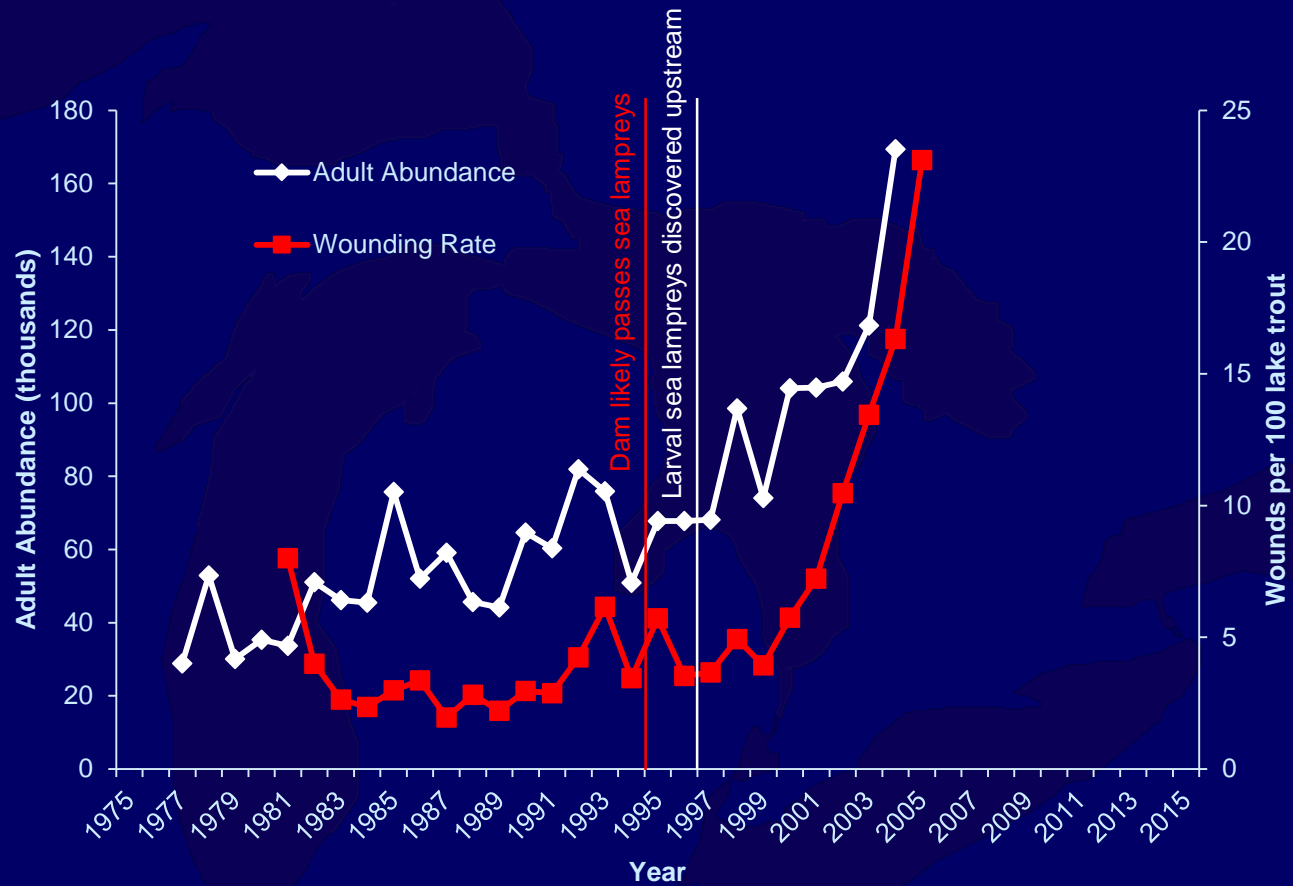
The Manistique River



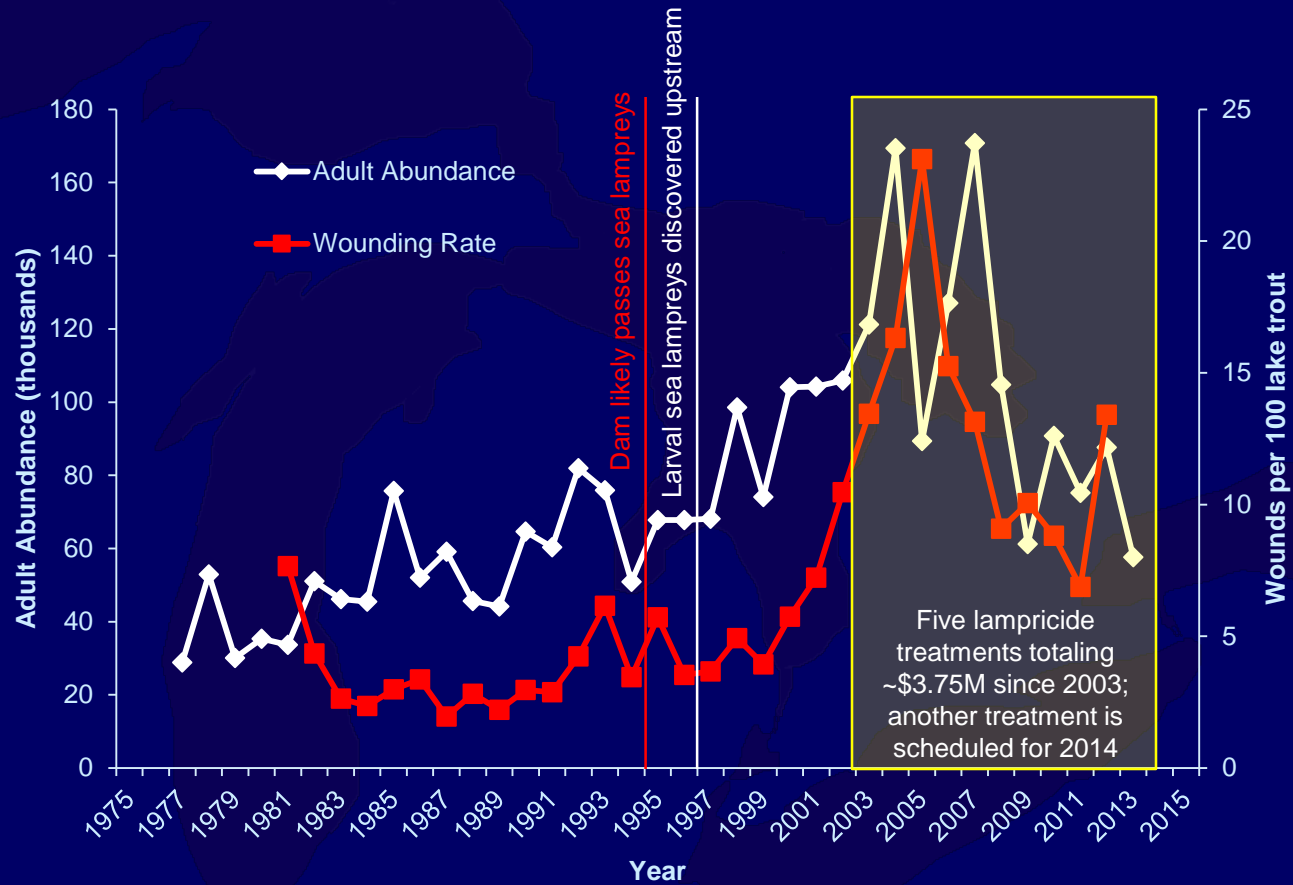
MANISTIQUE RIVER: A 'Good Bad' Example



MANISTIQUE RIVER: A 'Good Bad' Example



MANISTIQUE RIVER: A 'Good Bad' Example



Black Sturgeon

\$1.6M

Annual Sea Lamprey Control Budget: \$21M

Lampricide Treatment Costs: \$8.2M

~40% of Annual Budget!

Manistique

\$0.8M

\$1.0M

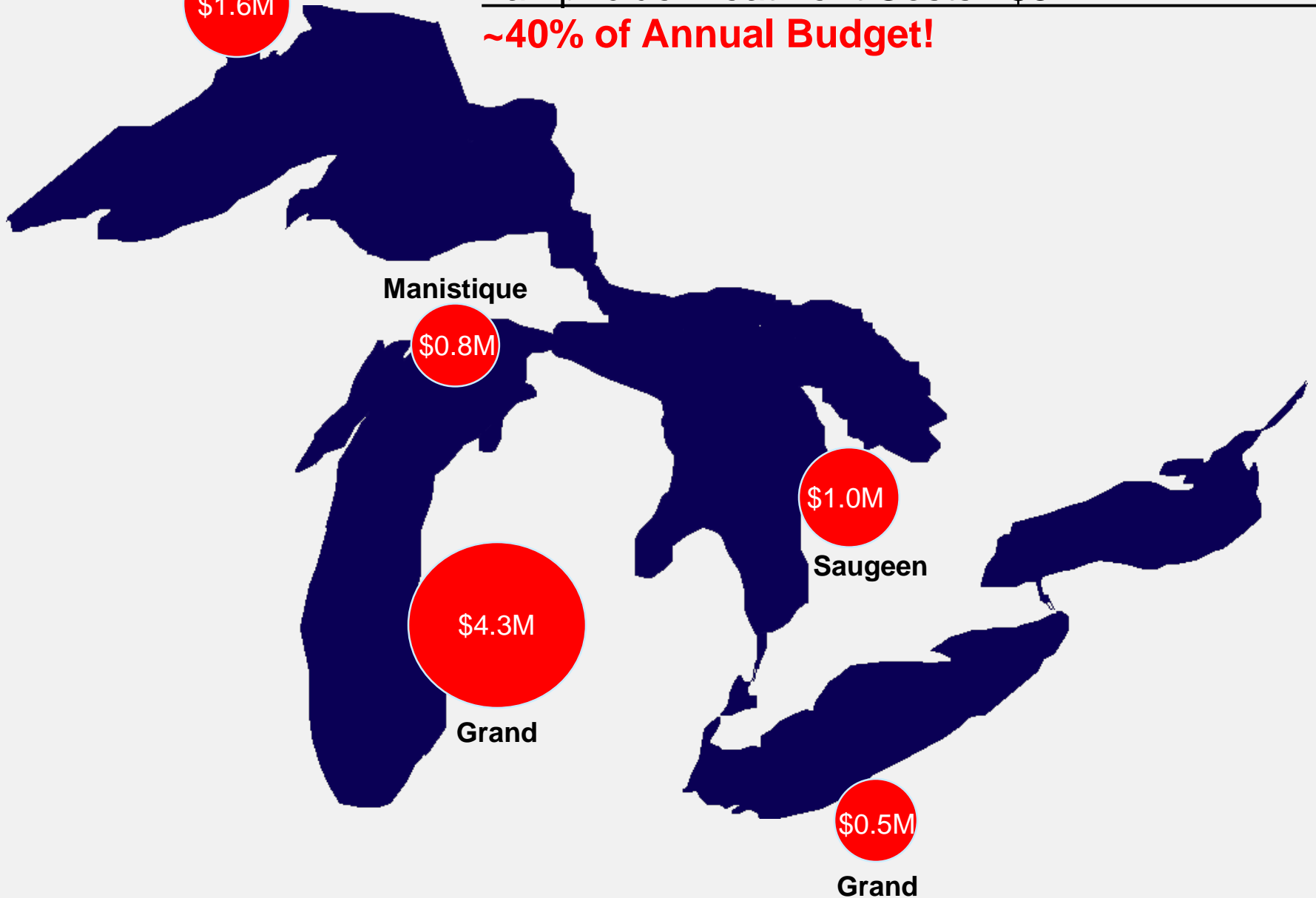
Saugeen

\$4.3M

Grand

\$0.5M

Grand



Policy On Sea Lamprey Barriers

The Great Lakes Fisher Commission:

- does not support removal or alteration of any existing barrier that would provide sea lampreys access to currently inaccessible habitat
- does not assume responsibility for increased sea lamprey control costs or damages to fish populations resulting from barrier removal or alteration

Policy On Sea Lamprey Barriers

The Great Lakes Fisher Commission:

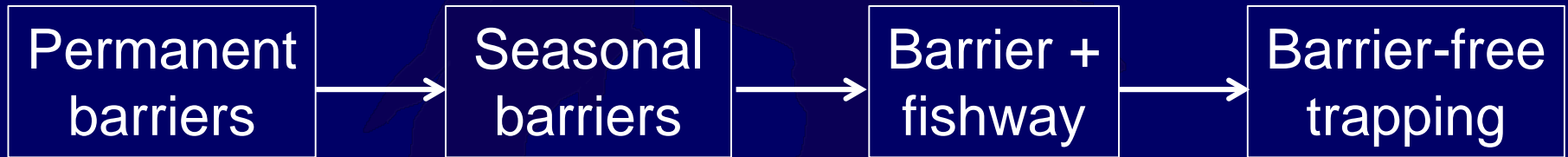
- strongly supports native fish restoration actions involving the facilitation of fish passage using state-of-the-art science technologies that do not allow upstream passage of sea lampreys at barrier sites
- may elect to participate in funding fish passage structures meeting these criteria on a case-by-case basis

Policy On Sea Lamprey Barriers

The Great Lakes Fisher Commission strongly supports:

- research into better understanding sea lamprey behavior and behavior of fish requiring passage
- development of selective fish passage technologies
- development of decision tools to assist in tough decisions regarding connectivity
- Communication is key!

Strategy for Barrier and Passage Innovation for Sea Lamprey Control



Great Lakes Fishery Commission
Barrier Policy

THANK YOU!

